BATRIBIKE®

ELECTRIC BICYCLES

Breeze

Owner Manual

MODEL:-

BREEZE

SERIAL NUMBER:-

				B	B	B			

PURCHASE DATE:-

		/			/				
		DAY		MONTH				YEAR	

DEALER STAMP

IMPORTANT PLEASE READ THIS MANUAL FULLY PRIOR TO ASSEMBLY AND USE

For your safety and to ensure a long and trouble free life of your Batribike bicycle, check the operation of brakes, lights, bell and gears, and check tyre pressures are correct.
Also check all fasteners, including quick release mechanisms, before every ride.

Thank you for purchasing a **BATRIBIKE** Electric Bicycle

With care and correct usage your bicycle
will give many years of service.

Important

PLEASE CHARGE THE BATTERY
BEFORE FIRST USING THE BICYCLE

Even though the battery indicator will show charge this cannot be relied upon until the battery has had the initial full charge.

PACKAGE CONTENTS

1 ELECTRIC BICYCLE
1 BATTERY
1 BATTERY CHARGER with UK Mains Lead
1 MANUAL

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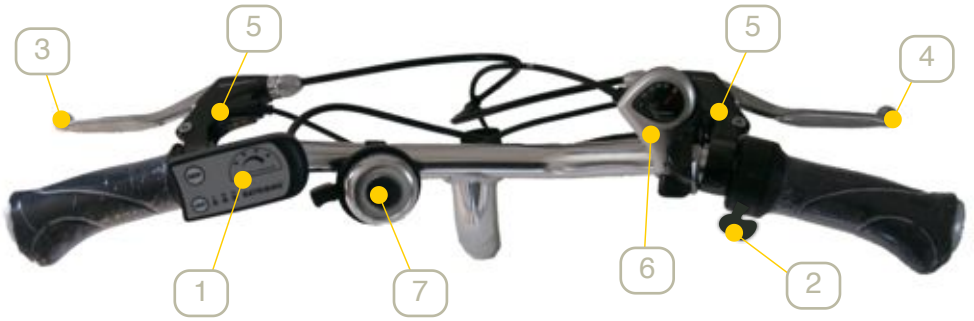
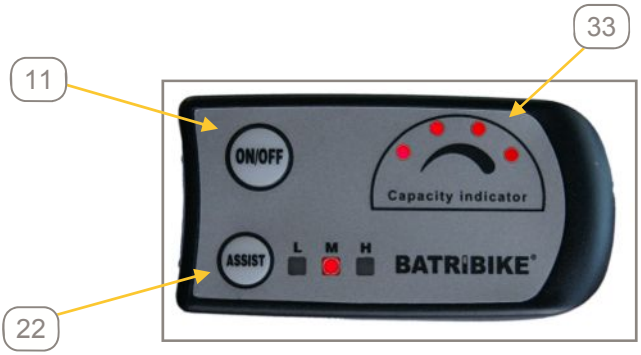
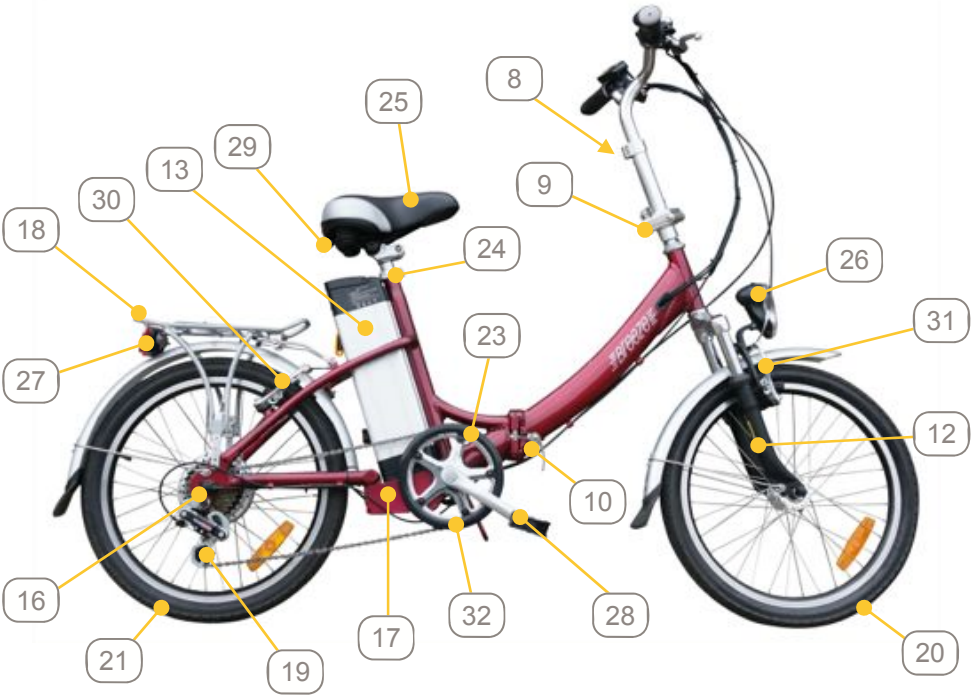
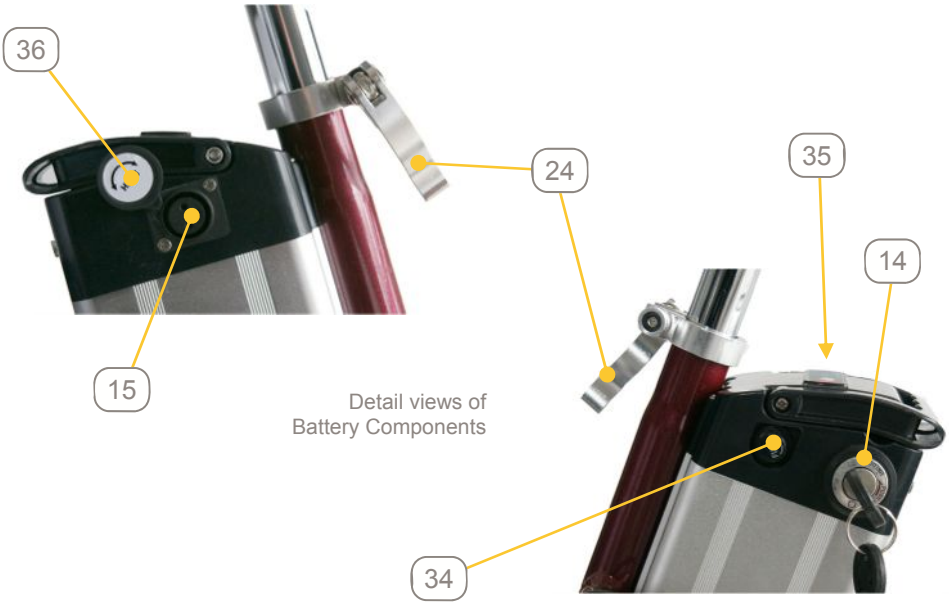


PARTS IDENTIFICATION We continually strive to ensure that we provide you with the best possible products, therefore SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE					
1	Display	13	Battery	25	Tipping Saddle
2	Thumb Throttle	14	Battery Power Switch	26	Front LED Light
3	Rear Brake Lever	15	Charging Socket	27	Rear LED Light
4	Front Brake Lever	16	Rear Hub Motor	28	Folding Pedals
5	Motor Cutout Switch	17	Controller Box	29	Seat Tip Lever
6	Gear Selector	18	Luggage Rack	30	Rear Vee Brake
7	Bell	19	6 Speed Shimano Gears	31	Front Vee Brake
8	Handlebar Adjustment	20	Front Tyre 20 x 1.75	32	Chainwheel 44 T
9	Handlebar Folding Lock	21	Rear Tyre 20 x 1.75	33	LED Capacity Meter
10	Frame Folding Clamp	22	Assist Level Button	34	Battery Fuse
11	Power Button	23	Chainwheel Guard	35	Battery Meter
12	Suspension Forks	24	Seat Height Adjuster	36	Charging Socket Cover



Detail view of Handlebar Mounted Display





Detail views of
Battery Components

CHARGING THE BATTERY

The battery can be charged on or off the bike.

To remove the battery, unlock by pushing the key and turning anti-clockwise.

Tilt or remove the seat.

(to tilt the seat, lift the lever located under the rear of the seat and lift the back of the seat. Press the seat down to lock back into position).

To remove the battery, unfold the handle and slide the battery upwards.

When refitting the battery ensure that it is fully seated and lock back into position using the key.

Switch off the battery at the Key Switch before charging,

Plug the charging lead into the battery.

The charging lead is plugged in to the charging socket located behind the slide cover on the battery.

IMPORTANT

It is important to plug the charger into the battery before switching on at the mains.

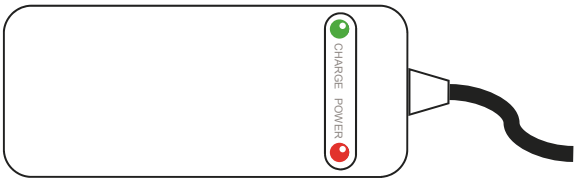
Similarly, switch off at the mains before unplugging the charger from the battery.

Plug the charger into the mains socket and switch on at the wall outlet. The lights on the charger will illuminate after a few seconds.

The RED light indicates that mains power is applied. The other light will show RED whilst charging is taking place. This may take up to six hours for a flat battery.

When the battery is charged the RED light will change to GREEN.

Once charged, switch off at the wall outlet and unplug. Unplug the charging lead from the battery and slide the cover back over the charging socket.



USE ONLY THE CHARGER SUPPLIED

The battery does not have to be completely discharged before it is recharged. The Lithium battery has no 'memory' and therefore can be charged at any time. It is perfectly acceptable to recharge the battery after a short ride so that the battery is fully charged before the next ride.

Charger design may vary from that illustrated.

If your BATRIBIKE is not in use for an extended period it is imperative that you charge the battery before storage and then charge the battery once a month to prevent deterioration. When not in use, store the battery in a warm, dry place.

FAILURE TO FOLLOW THIS PROCEDURE WILL INVALIDATE YOUR BATTERY WARRANTY

If Lithium batteries are left flat for an extended period then they may no longer be functional and a new replacement will be required.

With correct User Care as outlined above your battery should give many miles of assisted riding.

Usage

Your **BATRIBIKE** Electric Bicycle can be used as a normal pedal cycle by simply not switching on the battery.

Alternatively switch on at the battery (Key Switch), but do not switch on at the handlebars.

ELECTRIC BICYCLE FUNCTIONS

Switching On

To use under electric power, switch on at the key switch located on the battery beneath the rear of the seat.

For safety, It is important not to operate the key switch whilst riding the bike.

Then press the ON/OFF button on the handlebar LCD display.

Initial Display

All the lights on the display will initially come on in sequence and then momentarily go out. The lights will then display power assistance level and power remaining in the battery.

The assistance level will be set at LOW when the bike is first turned on.

The power to the throttle will also be on.

Battery Meter

The LED shows the charge remaining in the battery in the upper right of the display. The indicators will gradually go out as the battery power is used up. Refer to the table below for details.

BATTERY METER DISPLAYS THE CHARGE REMAINING IN THE BATTERY			
SYMBOL DISPLAYED	CHARGE REMAINING	SYMBOL DISPLAYED	CHARGE REMAINING
	50-100%		10-30%
	30-50%		0-10%
		BATTERY IS EXHAUSTED AND SHOULD BE RECHARGED AS SOON AS POSSIBLE	

Switching Off

To turn off the Display and the power to the bike, press the ON/OFF button, the lights will turn off.

If the power is left on for an extended period and the bike is not used, then the power will automatically be turned off.

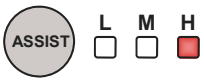
Pedal Assistance

There are 3 levels of pedal assistance from the motor. Using the assist button you can select from L (low) M (medium) and H (high).

Pressing the button will scroll through the levels, pressing the assist button when in H (high) mode will return to L (low) assist.

The motor will then be activated upon pedalling. There is a rotation sensor located near the crank which senses when the pedals are being used.

The speed and power will vary as the level is changed. Refer to the table below

PEDAL ASSISTANCE FROM THE MOTOR		
LEVEL	PERFORMANCE *	EXAMPLE OF USAGE
HIGH	25 Miles 13-15 MPH	Provides maximum power when negotiating hills and head winds. Great when needing to simply get from A to B as fast as possible. Great for Commuting to work.
		
MEDIUM	40 Miles 7-10 MPH	Normal Use Mode. These are the levels to use for everyday cycling. Gives good performance whilst maximising usable range per charge. Best for Leisure Use.
LOW	Range Not Tested 5-6 MPH	Use these lower power levels when negotiating busy cycle paths and crowded areas. Also use when setting off and gradually increase through the levels for a smoother performance. Ideal for negotiating obstacles.

* Please remember that the above values are provided as a guide. Due to manufacturing tolerances the speeds and distances may vary.

Weather and terrain will affect the performance. In hilly areas or when the bike is heavily loaded there will be a significant increase in power used from the battery and hence the range will decrease accordingly. A lightly loaded bike will achieve higher performance levels.
(These results were obtained by test riders in optimal conditions—75kg rider, level ground, no wind).

No Assistance—Normal Pedal Bicycle

If you turn the battery on but do not press the power button on the display your Batribike Breeze will now act and feel like a normal cycle. This is useful when you are feeling fit at the start of a journey or using your bike for exercise purposes. Power is still only a button press away.

Using the Throttle - Country Specific

The throttle is available all the time the power is switched on at the handlebar display.

The throttle can be used whilst pedalling in any of the assist modes to give extra help as required.

The throttle is not limited by the assistance level selected and is available to give up to maximum power at all times.

Use the throttle control gently. A small twist will apply a small amount of power. Twisting more will increase the power until the control is fully rotated when full motor power will be applied.

Throttle assistance can also be used without pedalling.

A handy way of using the throttle is to pull away from junctions, or when starting on inclines as the rider will pull away easier and is less likely to wobble. It can also be useful when used to pull out and overtake slower cyclists smoothly and quickly.

Care should be taken not to twist the throttle when mounting/ dismounting the bicycle. It is good practice to turn off the power before getting off or on the bike also to hold one or both of the brakes to maintain stability. Holding the brake cuts the power to the throttle and will stop the bike moving if the throttle is accidentally twisted.

It is not advisable to twist the throttle and then release the brake as this will cause a power surge which may cause damage to the bicycle and/or risk of personal injury.

Using the throttle at maximum level at all times will use more battery power than when using it with discretion.

PLEASE NOTE:

The throttle control is not activated for some countries due to legal restrictions. Please refer to your dealer for help and advice.

BS EN15194 Compliance

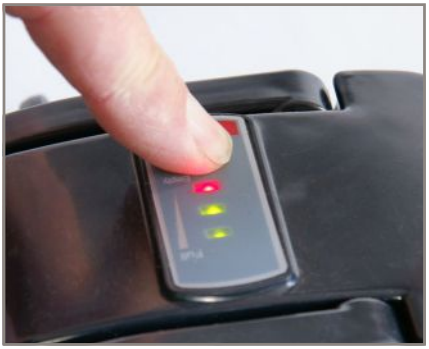
The **BATRIBIKE** *Breeze* is tested and certified to BS EN15194.
For the British market, the addition of a twist grip throttle has rendered this not compliant in some countries.

- You are recommended to seek advice from the relevant authorities in the country you are visiting before travelling.

Additional Battery Meter on Battery

A display mounted on the top of the battery can be used to show the charge state of the battery when it is not connected to the bike. (The meter can be used when on the bike, but will not be as accurate as the handlebar display is when the bike is in motion and under power).

To use the meter, turn on the battery power with the key and press the button on the display. The power level will display on the 3 LED's.



2 Green LEDs indicates a charged battery

1 Green LED indicates a partially charged battery

1 Red LED indicates that the battery is low in power and should be charged at the earliest opportunity.

This battery meter is particularly useful when more than one battery has been removed for charging, It is easy to ascertain which battery to charge.

STANDARD BICYCLE FUNCTIONS

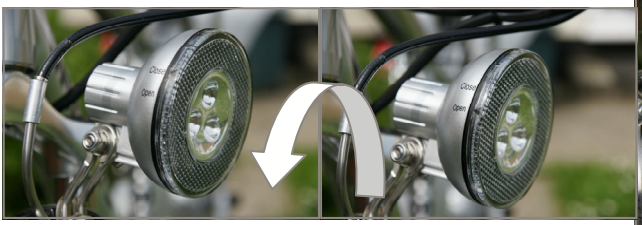
Gears

The *Breeze* is provided with 6 speed Shimano gears. To change gear you use the right handlebar mounted selector. Gear number 1 is low for hills and rough terrain and gear 6 is high for normal road use. To increase the gear simply press the + button with your right thumb. To decrease the gear push the black lever away from you with your thumb. You must be pedalling forwards as you change gears.

Lights

Lights are provided on your **BATRIBIKE** bicycle. These are power efficient LED units which achieve a long life on each set of batteries.

SAFETY FEATURE - The power for the front and rear lights is kept separate from the main power supply so that in the event that the battery is exhausted you will still have lights for safety.



The front light is powered by 3 AAA size batteries and is switched on by the black push button switch at the rear of the unit.

To replace the batteries simply twist the lens anti-clockwise and pull free.

There is a small warning light on top of the front lamp unit. This lights to show that the batteries are getting low and should be replaced.

The rear light requires 2 AA batteries. You will require a small Philips screwdriver to take off the red lens for battery replacement. It is switched on and off by the small red push button switch on the underside of the unit.

Braking

To stop, release the throttle and pull the brake levers.

Side Stand

To put the bicycle on its stand:-

1) While holding the bicycle upright, push the stand to its full extent.
2) Lean the bicycle over onto the stand.

Make sure bicycle is on solid ground.

Do not sit on the bicycle whilst the stand is down. It is designed to take the weight of the bicycle and not the additional weight of the rider.

Quick Release fittings for Seat Height Adjustment

With the locking lever in the loose position, tighten the nut until finger tight. The final tightening is done by moving the lever to the locked position. To undo move the lever to the loose position to enable height adjustment.

Loose

Locked

Folding the Bicycle

Fold pedals by squeezing in as per photo, and turning through 90 degrees.

Turn the pedals to a suitable position so they are not trapped when folding the frame.

Release centre frame lock as follows:-

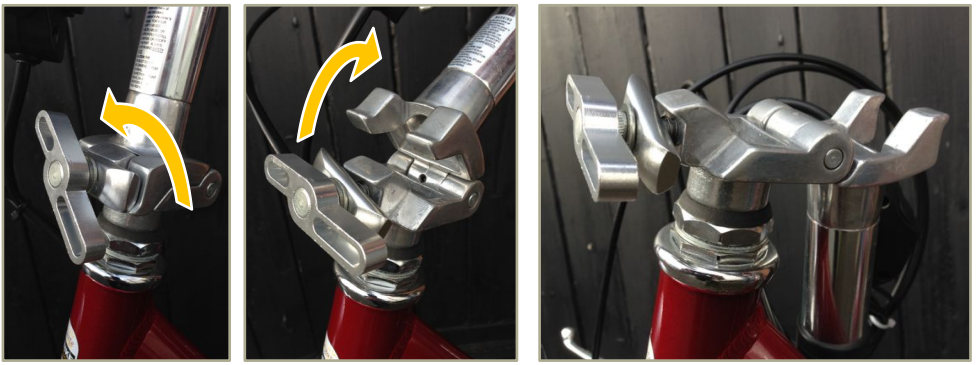
Flip catch

Turn to side

Lift up lever to release pin from frame

Fold frame front to back. Then Fold down the handlebars as follows:-

HANDLEBAR FOLDING

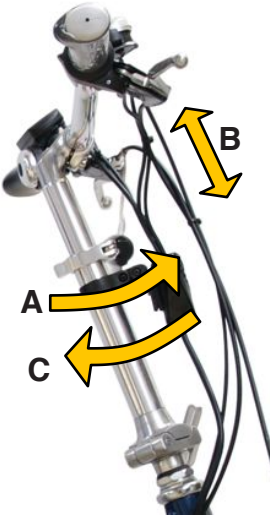


1 2 3

1. Loosen the locking screw by turning anti-clockwise, until the handlebar becomes free of the clamp. Take care not to remove.
2. Fold the handlebar stem away from the clamp, taking care not to trap any cables.
3. Folded position.

Reverse the above procedure to return the bicycle to the riding position. Clamp securely.

Adjusting the Handlebar Height



A. Release the locking lever.

B. Gently pull/push the handlebars to the correct height. Take care that the wires and cables are not too tight.

C. Return the locking lever to the original postion to clamp the handlebars securely.

Luggage Rack

The luggage rack provided is designed to carry a maximum load of 25kg. Make sure that any items carried are securely strapped and nothing is able to get caught in the rear wheel.

All other operation of your **BATRIBIKE** Electric Bicycle is as per a normal pedal cycle.

MAINTAINANCE SCHEDULE

Maintaining your bicycle ensures you'll get the most out of every ride and out of the entire life of your BATRIBIKE electric bike. How much of your bike's maintenance you can do yourself will depend on your knowledge, skill, experience and whether you have the necessary tools for the job.

Beyond this manual, it is good to consult your BATRIBIKE dealer for advice if you are at all unsure about any of the procedures described. Normal maintenance is not covered under the warranty and this service may be chargeable.

Before every ride

- Mechanical safety checks, use a fully charged battery, visual inspection for damages.

After every ride (or WEEKLY)

- Clean the bike, including chain rings and sprocket. Clean and lightly oil the chain and gears.
- This must be carried out after every ride in dusty, marine or winter conditions due to the salt laden atmosphere.

Every 20 - 30 hours of riding (or MONTHLY)

- Squeeze the brakes and rock the bike to check for any looseness of the headset or brake mechanisms with each forward of backward movement. If any are loose, have your dealer check it.
- Lift the front wheel and turn handlebars left and right to check for tightness of steering. If tightness is detected it may be necessary to lubricate bearings and/or adjust the headset.
- Check and adjust the brakes, replace if worn out.
- Squeeze spokes in adjoining pairs between your thumb and index finger. They all should have the same tension. Have your dealer re-spoke or true the wheel if necessary.
- Check cables for rust, kinks and fraying, have your dealer replace them if necessary.
- Check bottom bracket for play and adjust if necessary.
- Check wheel bearings for play and adjust/lubricate if necessary

After 3,000 miles (5,000 km) (or YEARLY)

- Hub motor and general inspection

  We recommend you arrange to have a thorough inspection of your bicycle by a BATRIBIKE dealer. This includes opening up the hub motor to inspect and lubricate the gears.

Tyre Pressures

The tyres should be pumped up to within the range stated on the sidewall. This should be regularly checked as running with the correct pressures will ensure maximum range from the battery.

Repairing a punctured tyre

If you have a punctured tyre, we recommend that you get a specialist to carry out the repairs. You can always of course consult a specialist and carry out the repairs on your own if you are confident that you have the necessary skills. As there are no electronic components on the front wheel, its removal follows standard procedures as with normal bicycles.

Removing the Rear Wheel

MOTOR PLUG

If you need to remove the rear wheel, for example, to replace the rear tyre, then the motor can be unplugged to aid disassembly. The plug is located on the lower rear arm of the frame as shown, (Left).

Remember to ensure that the cable is suitably secured to the bicycle frame upon re-assembly.

Be mindful of the tightening assembly sequence of washers, nuts and spacers.

Battery Fuse

If the battery will not operate or charge correctly, firstly check the battery fuse (rated 30A) located on the side of the battery beneath the screw cover. Use a large flat bladed screwdriver or a small coin to remove the cover.

WARRANTY CONDITIONS

The following warranty conditions are in addition to your legal rights.

Requirements for Warranty

As the makers, we guarantee against possible material or construction defects. Provided the following conditions are satisfied :

- Please retain your receipt as this is your proof of purchase and entitlement to Warranty. The guarantee starts on the date of purchase.
- Warranty is non transferable and applies only to the original owner.
- The Frame of your new **BATRIBIKE** *Breeze* is guaranteed for 1 year from date of purchase.
- The Motor and Electronics are guaranteed for 1 year from date of purchase.
- Other main cycle parts have a warranty of 1 year.
- The battery is covered for 1 year.

Please take note of the Battery Care information contained in this manual to ensure your battery life is maximised, and to comply with the Warranty Conditions

Exclusions from Warranty

- When the bicycle is used negligently or results in damage due to traffic accident.
- Damage ascribed to normal wear and tear.
- Poor maintenance, or modifications that no longer complies with regulations or original technical specifications.
- Damage due to external causes.
- The bicycle is put up for hire.
- The battery pack is used incorrectly or tampered with. This also applies during charging.
- Compensatory costs arising from damages or accidents.
- Cost incurred by loss of the bicycle's usage.

Brake blocks/pads, tyres, lights and cables etc. are considered as consumables and replacements are available from BATRIBIKE or may be obtained from your local cycle shop.

In the event of a Warranty claim

- In the event of warranty repairs becoming necessary you should return your bicycle to your Authorised Batribike Dealer, (where you originally purchased your Batribike).
- Original defective parts that are sent to the manufacturer for assessment will be replaced by the same or equal value part.
- Delivery and collection charges are not included. These are borne by the owner.
- Fallowgate Limited exclusively makes the decision whether or not the warranty applies.

Frame Size	40.6 cm (16 inches)	Power Delivery	Pedal or Throttle **	Lights	Front - LED light requires 3 x AAA batteries
Frame Material	Aluminium Alloy	Sensor	Rotation Sensor		Rear - LED light requires 2 x AA batteries
Colour	Wine Red or Royal Blue	Range (motor only)	up to 20 miles	Saddle Height	78 - 99 cm (30.7 - 40 inches)
Weight (inc. all fittings, rack, mudguards etc)	22.75 kg (50.2 lbs) inc. battery	Range (pedal assist)	25 miles (high)		
	19.75 kg (43.5 lbs) battery removed		40 miles (medium)	Overall Length	160 cm (63 inches)
				Overall Height	113 cm (44.5 inches)
Battery	Lithium	Gears	6 speed Shimano index	Step-Thru Height	38 cm (15 inches)
Battery Power	36V 8Ah	Brakes	Powerful Vee Brakes Front and Rear	Wheelbase	111 cm (43.7 inches)
Battery Life	Refer to separate battery info available on website	Wheels	20"	Max Rider Weight	130 kg (20 st 7 lbs)
Motor	250W rear hub brushless	Forks	Suspension	Security	Battery locks on to frame with unique key
Speed	Up to 15 mph (25 kmh)	Seat	Comfort Saddle with tipping seat post	Rider Protection	Mudguards and chainwheel guard fitted as standard
Power System	Cycle only or Multi-Mode Power Pedal assist (3 power levels) Throttle **	Stand	Sturdy side stand		
		Rear Rack	Aluminium Alloy rack	Folded Size	89 x 69 x 40 cm (35 x 27.2 x 15.75 ins)

Note ** Throttle fitment is Country Specific

(All distances quoted on flat ground with a 75 kg (12 stone) rider)

Please consider the environment before disposing of any part of your Batribike Electric Bicycle.

The Battery Pack contains Lithium and Special Consideration should be given to its safe disposal.
Your Local Authority should have the necessary facilities in place.

If you prefer you may take your original battery to BATRIBIKE for recycling.

Never dispose of batteries in a fire or subject to puncture or crushing.

www.batribike.com

BATRIBIKE
ELECTRIC BICYCLES

A BRITISH COMPANY

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Fallowgate LIMITED

BEBA British Electric Bicycle Association

BATRIBIKE are Full Members of the British Electric Bicycle Association